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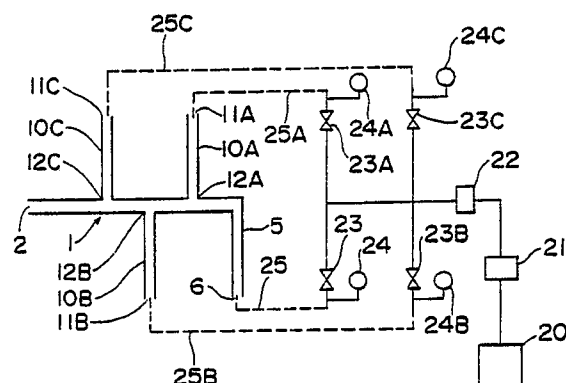
(54) **Method for lining pipe inner surface in multibranch piping.**

(57) The present invention provides a method capable of lining a multibranch piping with a coating material within the pot life of the coating material without leaving uncoated area or excessive repeated coating. Lining for a main pipe is performed by pouring the coating material into the main pipe (1) from an end portion of the pipe, and lining for branch pipes (10) is effected by the feed of the coating material and air for each of the branch pipes. A completed time point of lining in each branch pipe is detected by any of the following methods:

A) A method wherein the time required for lining a branch pipe is estimated in advance and upon lapse of the estimated time it is judged that the lining for the branch pipe was completed.

(B) A method wherein a change in gas pressure in the main pipe which occurs upon arrival of the coating material at the connection between a branch pipe and the main pipe under the feed of air is detected by a pressure gauge, whereupon it is judged that the lining for the branch pipe was completed.

(C) A method wherein when the coating material fed from an end portion of one branch pipe was discharged from another branch pipe located in a position close to the one branch pipe, it is judged that the lining was completed.

FIG.1**EP 0 353 086 A3**



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EUROPEAN SEARCH REPORT

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EP 89 30 7690

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 30 (C-209)(1467) 08 February 1984, & JP-A-58 193776 (HATSUKOO) 11 November 1983, * the whole document * ---	1-6	F16L58/02 F16L58/18 B05D7/22
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 30 (C-209)(1467) 08 February 1984, & JP-A-58 193775 (HATSUKOO) 11 November 1983, * the whole document * ---	1-6	
A	PATENT ABSTRACTS OF JAPAN vol. 6, no. 106 (C-108)(984) 16 June 1982, & JP-A-57 35977 (NIPPON PLANT SERVICE CENTER) 26 February 1982, * the whole document * ---	1-6	
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 30 (C-209)(1467) 08 February 1984, & JP-A-58 193774 (HATSUKOO) 11 November 1983, * the whole document * ---	1-6	
A	PATENT ABSTRACTS OF JAPAN vol. 8, no. 30 (C-209)(1467) 08 February 1984, & JP-A-58 193777 (HATSUKOO) 11 November 1983, * the whole document * ---	1-6	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	PATENT ABSTRACTS OF JAPAN vol. 7, no. 139 (C-171)(1284) 17 June 1983, & JP-A-58 51962 (KINZOU FUJII) 26 March 1983, * the whole document * ---	1	F16L B05D
P,A	EP-A-0299134 (NAF) * abstract; claims 1-4 * -----	1	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 14 NOVEMBER 1990	Examiner SCHAEFFLER C.A.A.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			